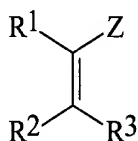
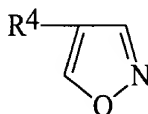


Condition I

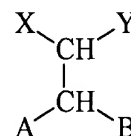
at least one of the layers formed on the image-forming layer side of the support contains at least one compound selected from compounds represented by the following formula (1), (2) or (3), and the  $\text{NH}_4^+$  content in all the layers formed on the image-forming layer side of the support is  $0.06 \text{ mmol/m}^2$  or less:



(1)



(2)



(3)

wherein:

in the formula (1),  $\text{R}^1$ ,  $\text{R}^2$  and  $\text{R}^3$  each independently represents a hydrogen atom or a substituent, Z represents an electron-withdrawing group, and  $\text{R}^1$  and Z,  $\text{R}^2$  and  $\text{R}^3$ ,  $\text{R}^1$  and  $\text{R}^2$ , or  $\text{R}^3$  and Z may be combined with each other to form a ring structure,

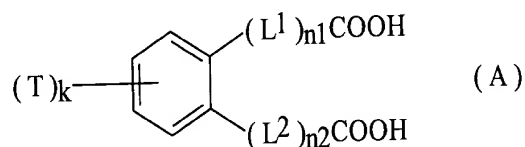
in the formula (2),  $\text{R}^4$  represents a substituent,

in the formula (3), X and Y each independently represents a hydrogen atom or a substituent, A and B each independently represents an alkoxy group, an alkylthio group, an alkylamino group, an aryloxy group, an arylthio group, an anilino group, a heterocycloxy group, a heterocyclylthio group or a

heterocyclamino group, and X and Y or A and B may be combined with each other to form a ring structure:

Condition II

at least one of the layers formed on the image-forming layer side of the support contains a nucleating agent, and at least one of the layers formed on the image-forming layer side of the support contains at least one compound represented by the following formula (A), and film surface pH of the image-forming layer side of the support is substantially unchanged after coating, and the layers formed on the image-forming layer side of the support do not substantially contain ammonia:



wherein:

in the formula (A), T represents a monovalent substituent, k represents an integer of 0-4; when k is 2 or more, two or more of T may be the same or different from each other or one another and may be bonded together to form a ring;  $L^1$  and  $L^2$  each independently represents a bridging group; and  $n1$  and  $n2$  each independently represents an integer of 0-30.